

## *The Hebrew University of Jerusalem*

### *Syllabus*

### **PHYSICS LAB 3 - 77508**

*Last update 18-08-2016*

HU Credits: 6

Degree/Cycle: 1st degree (Bachelor)

Responsible Department: physics

Academic year: 0

Semester: 1st and/or 2nd Semester

Teaching Languages: Hebrew

Campus: E. Safra

Course/Module Coordinator: Prof Guy Ron

Coordinator Email: [gron@phys.huji.ac.il](mailto:gron@phys.huji.ac.il)

Coordinator Office Hours: By appointment

Teaching Staff:

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Prof Nathalie Balaban  
Prof Yehuda Goldstein  
Prof William Glaberson  
Dr. Eilon Sherman  
Prof Guy Ron  
Prof Oded Millo

Course/Module description:

This course includes some of the experiments from course 77604.  
Laboratory course dedicated for third year undergraduate students, where students work in pairs. There are various experiments, such as: Atomic spectroscopy, vacuum, nuclear magnetic resonance, Mossbauer effect, Gamma ray spectroscopy, Ziman effect, CO2 Laser, Laser cooling, atomic force microscopy, Chaos.

Course/Module aims:

See course description.

Learning outcomes - On successful completion of this module, students should be able to:

See course description.

Attendance requirements(%):

100

Teaching arrangement and method of instruction: Lab work in pairs under the supervision of a TA.

Course/Module Content:

See course description.

Required Reading:

Given per experiment.

Additional Reading Material:

Given per experiment.

Course/Module evaluation:

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*End of year written/oral examination 0 %*  
*Presentation 0 %*  
*Participation in Tutorials 0 %*  
*Project work 0 %*  
*Assignments 0 %*  
*Reports 100 %*  
*Research project 0 %*  
*Quizzes 0 %*  
*Other 0 %*

*Additional information:*  
*None*